



Iowa Department of Public Health
Promoting and Protecting the Health of Iowans

Gerd W. Clabaugh, MPA
Director

Terry E. Branstad
Governor

Kim Reynolds
Lt. Governor

TO: Hospital and Laboratory Electronic Reporting Staff
FROM: Iowa Department of Public Health, Center for Acute Disease Epidemiology
DATE: December 8, 2016
RE: Guidance for Electronic Laboratory Reporting of Carbapenem-resistant Enterobacteriaceae (CRE) infection or Colonization in Iowa Residents

Effective January 1, 2017, all Iowa health care providers and public, private, and hospital laboratories are required to report in three days any suspected or confirmed cases of Carbapenem-Resistant Enterobacteriaceae infection or colonization to the department. In addition, all laboratories are required to forward CRE isolates from any body site (e.g., urine, blood, sputum, wound, etc.) and the results of antibiotic susceptibility testing and carbapenemase testing performed on the isolate to the State Hygienic Laboratory.

Electronic Laboratory Reporting:

A new item called [Carbapenem-resistant Enterobacteriaceae – CRE](#) has been added to the smartLab alphabetical Organism-Condition list. The mapping includes the following LOINC & SNOMED code combinations:

LOINC Code	LOINC Description	SNOMED Code	SNOMED Description
73834-4	Bacteria.carbapenem resistant identified : Prid : Pt : Anal : Nom	715307006	Carbapenem resistant Escherichia coli (organism)
73834-4	Bacteria.carbapenem resistant identified : Prid : Pt : Anal : Nom	IDPHR-353	Carbapenem resistant Klebsiella spp
73834-4	Bacteria.carbapenem resistant identified : Prid : Pt : Anal : Nom	IDPHR-354	Carbapenem resistant Enterobacter spp
73834-4	Bacteria.carbapenem resistant identified : Prid : Pt : Anal : Nom	IDPHR-355	Carbapenem resistant Citrobacter spp

Antibiotic information will be collected by non-electronic means and need not be included in the HL7 message. If it is included in the message, additional mapping is necessary under the [Susceptibility – Susceptibility](#) category in the Organism-Condition list. The following LOINC & SNOMED code combinations are provide for translation purposes.

18932-4	Imipenem : Susc : Pt : Isolate : OrdQn	30714006	Resistant
18943-1	Meropenem : Susc : Pt : Isolate : OrdQn	30714006	Resistant
60535-2	Doripenem : Susc : Pt : Isolate : OrdQn	30714006	Resistant
35802-8	Ertapenem : Susc : Pt : Isolate : OrdQn	30714006	Resistant

NOTE: specimen information encoded in the LOINC code is ignored and captured from the specimen (SPM) segment in the HL7 message.